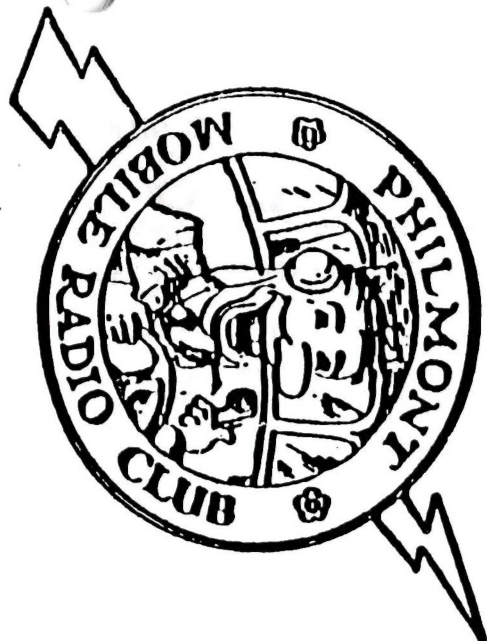


FIRST CLASS MAIL



A Philmont Mobile Radio  
Club Publication  
125 Keeley Avenue  
New Britain, PA 18901

the blurb

PHILMONT'S  
40th YEAR



PHILMONT MOBILE RADIO CLUB  
W3RQZ-W3TKQ-W3QV

**BLURB**  
May 1989



*Famous  
Women  
in  
History*



Letters from home, written by Abigail Adams, proved a potent weapon in the struggle for freedom. Thus she kept her husband, John, abreast of events in and around British-held Boston while he served in the Continental Congress. Sharp with details, outspoken on principles, she sent news of enemy troop movements while pressing for personal liberties that most male patriots had refused to grant—women's rights and freedom for slaves.

is published monthly by and for the members of **The PHIL-MONT MOBILE RADIO CLUB, INC.** whose purpose is to promote Amateur Radio in general, and Mobile Radio in particular. Copying and quoting is permitted with a credit line. We gladly exchange publications with other amateur radio clubs; requests should be sent to the Editor. BLURB subscriptions are available to non-members for \$6.50 addressed to the Treasurer. The club meets at 8 PM on the first non-holiday Monday of every month at The Franklin Institute, 21st Street and the Benjamin Franklin Parkway, Philadelphia. Use the rear entrance. **ALL VISITORS ARE WELCOME!**  
Amateur Radio License Examinations - every meeting night at 6:30 PM-SHARP!

## CLUB INFORMATION

- 24 Hour Information Number at W3TKQ -

**(215) 448-1139**

Mailing Address: P.O. Box 88, Abington, PA 19001

## STATIONS

W3QV - 147.03 MHz. Repeater - 8200 Ridge Avenue, Philadelphia, PA - Trustee W3BBB

W3RQZ - 1176 Old York Road, Abington, PA - Trustee W3VVS

W3TKQ - The Franklin Institute, Philadelphia, PA - Trustee W3PWG

W3TKQ Operators: WA3AAL, Fred; N3ABS, John; K3TEF, Frank; KA3PJC, Jack; W3PWG, Rollic

## OFFICERS

PRESIDENT: W3UY, Larry Clifford, 615 Apache Lane, Norristown, PA 19401

VICE PRESIDENT: WA3AUN, Mark Ackerman, 821 Moredon Road, Meadowbrook, PA 19046

SECRETARY: N2RM, Rob Moore, 9U Rose Rita Terrace, Hammonton, NJ 08037

TREASURER: KB3IV, Ed Masarsky, 15 Poe Avenue, Wyncote, PA 19095

## DIRECTORS

W3BBB (90); K3GBA (A); W3IIM (A); W3IIN (A); KB3JW (89); K3KUD (89); W3LKI (90)

## COMMITTEES

Archives:	W3IIN	DX:	WA3AUN	Refreshments:	N3FVI
Awards:	K3KUD	Membership:	W3IIN	Repeater:	W3BBB
Banquet:	N3EBE	MO-COM 5:	N3DHI	Special Events:	N3FVI
BLURB:	W3PST	Net Control:	WB3CMM	VE Program:	ND3Q
Budget / Audit:	W3IIN	Program:	WA3AUN	W3TKQ:	W3PWG
Directory:	WB3KOJ	Publicity:	N3EAY	Welcome:	W3VVS

## BLURB STAFF

Editor: W3PST, Woody Haldeman, 125 Keeley Ave., New Britain, PA 18901

(215) 345-1890

Artist: Sam Kuncovich

Assistant Editors: W3IIM & WB3KOJ

Typist: W3IIN

**DEADLINE:** To be assured of publication in the current month, all copy **MUST** be in the hands of the Editor at the Bored of Directors' Meeting.

## NET SCHEDULE

SUNDAY	09:30	147.030 MHz FM	"SUNDAY MORNING 2 METER NET"
	10:00	28.400 MHz SSB	"10-ON-10 NET"
	10:20	3.993 MHz SSB	75 METER NET
TUESDAY	20:00	147.030 MHz FM	CW PRACTICE NET

## 15th Annual WARMINSTER AMATEUR RADIO CLUB INC.

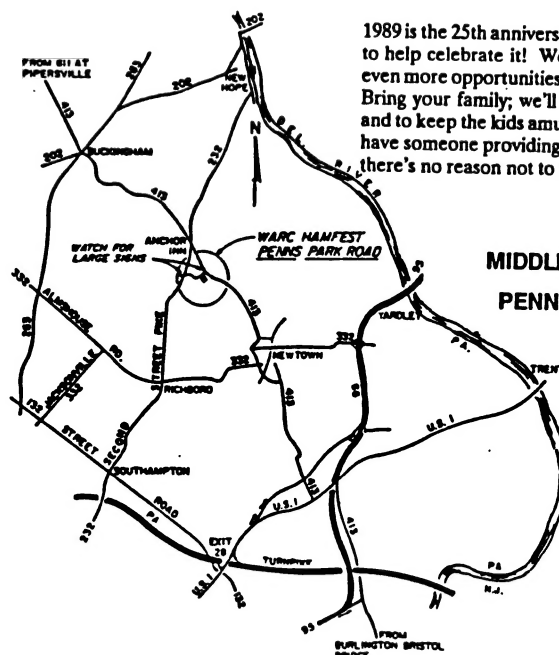
# H A M F E S T

SUNDAY MAY 21st, 1989 - INDOORS & OUTDOORS

OPEN AT 8 AM (VENDORS AT 6 AM) RAIN OR SHINE

IT'S OUR BIRTHDAY!

1989 is the 25th anniversary of the Warminster A.R.C. and we'd like YOU to help celebrate it! We hope to make this our best hamfest ever, with even more opportunities to get yourself that present you've been wanting! Bring your family; we'll have helium balloons for whoever wants them, and to keep the kids amused while you haggle over that boat anchor, we'll have someone providing free face painting! With talk-in on three bands, there's no reason not to come!



MIDDLETOWN GRANGE FAIR GROUNDS  
PENNS PARK RD. WRIGHTSTOWN, PA

- FOOD AND DRINK AVAILABLE
- POSTAL REGULATIONS DO NOT PERMIT MENTION OF PRIZES
- APPROXIMATELY 80 INDOOR SPACES AND UNLIMITED OUTDOOR SPACES
- DONATION \$4.00 PER PERSON (XYL'S AND CHILDREN FREE)
- OUTDOOR TAILGATING SPACE AVAILABLE AT \$5.00 PER SPACE
- \$5.00 PER INDOOR SPACE WITH 8 FT. TABLE WHILE AVAILABLE

TALK-IN ON 147.69/09 REPEATER  
223.76/222.16 REPEATER  
52.04/53.04 REPEATER  
OR 146.52 SIMPLEX

"AT PRESS TIME" ...THE FOLLOWING VENDORS  
HAVE INDICATED THEIR INTENTION TO ATTEND.

HAMTRONICS (Trevose, PA)  
THE RF CONNECTION  
G and G ELECTRONICS  
AMATEUR & ADVANCED  
COMMUNICATIONS (Wilmington, DE)

For Hamfest Info. & Preregistration Contact:  
Bill Cusick, W3GJC Apt. 804  
Garner House, Hattiesburg, PA 19040  
(215) 441-8048



## WARC HAMFEST PREREGISTRATION

NAME \_\_\_\_\_ CALL \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_  
STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
NO. OF PERSONS X \$4.00 = \_\_\_\_\_  
NO. OF SPACES X \$5.00 = \_\_\_\_\_  
TOTAL = \_\_\_\_\_

## THEY'RE AT IT AGAIN!

State Government Liaison Steve White, WA3IAO has been looking into rumors, thus far unsubstantiated, of legislation affecting mobile radio telephone operation. He has also taken an active role in a Newtown Township, Bucks County, antenna structure ordinance situation.

The township proposed to regulate Amateur Radio antenna structures (ONLY!). This matter was brought to the Section's attention by Technical Coordinator John Thomas, W3FAF and ORS Dave Heller, K3IX. ATC Doug Crompton, WA3DSP has also become involved, with assistance from Public Information Officer Gene Pressler, W3ZXV. The Section Manager sent the township solicitor's name, address, and phone number to ARRL Counsel Chris Inlay, N3AKD, who wrote a letter to the solicitor and established contact with Steve. At press time, your ARRL is watching developments very carefully.

EPA Feedline

## HAMFESTS

We'll print an ongoing schedule of Hamfests based on information received. Please help us keep our list current. If you don't see your favorite event listed here, it's because YOU didn't send it to W3IIM prior to the BLURB deadline!

MAY 14 Computer Show & Sale  
Philadelphia Park Race Track

MAY 21 WRIGHTSTOWN, PA  
Warminster ARC  
--- \* ---

JUL 30 TIMONIUM, MD  
BRATS' Maryland Hamfest  
--- \* ---

AUG 20 DOVER, DE  
Kent ARC  
--- \* ---

SEP 17 PENNSAUKEN NJ  
So. Jersey Radio Assn. Hamfest  
Pennsauken High School  
Rts 73 & 130  
145.29  
--- \* ---

OCT 1 BENSALEM, PA  
Penn Wireless Tradefest '89  
Rt 152, 1 mi S of Rt 132  
146.97 146.52

OCT 8 WARRINGTON, PA  
Pack Rats  
--- \* ---

MAY 1 General Meeting program:  
LIGHTENING PROTECTION  
by Ron Cohen, K3ZKO.

May 10 Banquet Committee  
Meeting at N3EBE's

May 18 THURSDAY!  
Directors' meeting at  
W3UY's  
--- \* ---

JUNE 5 General Meeting

June 14 Directors' meeting at  
W3BBB's

June 24-25 "Field Day"

JULY 2 General Meeting

July 12 Directors' meeting at  
KA3BET & N3EBE's

July 15-16 PADDLERAMA  
--- \* ---

AUG 7 General Meeting

Aug 16 Directors' meeting at  
W3IIM & N's  
--- \* ---

Nov 11 BANQUET  
Master of Ceremonies:  
Russ Miller, K3NYN

## SAM'S CORNER.



--AND HERE'S YOUR SERVICE WARRANTY,  
IF IT QUILTS, JUST GIVE IT A FEW TAPS  
WITH THIS Mallet.

THANK  
AGAIN TO  
CHET  
WAZYDS  
&  
WORLD  
RADIO

Bolts of lightning speed through the  
air at 90,000 miles per second.

## IT SEEMS TO ME....

Miss America, Father Of The Year, Best Dressed Woman, and the Oscar are all examples of awards to an individual based on the judgement of a panel or group of peers. Each of them is important to the winner, and to those who make the judgement, and yet certainly each is not important to all of us who read or hear about it. It is the recognition by one's peers that makes the award important.

Phil-Mont's annual, and special awards were, and are, designed to mark the recognition of individuals by the peer group, the total membership. Don't just be a club member, be a Phil-Monter (there is a difference!). Think about the various awards, and when we ask for your votes in October, don't shrug it off; be part of the selection process -- VOTE!!

K3KUD

Chairman, Awards Committee

## SPECIAL THANKS

to W3HFY, from the Net Control Chairman, for keeping the 10 meter net going until W3AA returned!

## V.E. TEST LOCATIONS

from EPA FEEDLINE

BRYN MAWR

May 13

Bob Haase, W3SA  
(215) 293-1919

CENTER CITY

May 1, Jun 5, Jul 2  
Dusty Rhoads, ND3Q  
(215) 482-0386

LEVITTOWN

May 4, Jun 8

Dave Heller, K3TX  
(215) 946-1040

PERKASIE

Monthly, 3rd Monday  
Stu Silverstein, K3UEI  
(215) 584-0775

HATBORO

May 31

Tom Michaud, WA3TQJ  
(215) 343-3494

ing 20 watts. He later established station WLW, Crosley Manufacturing Co., and began broadcasting with a power of 50 watts in March 1922.

There were 98 stations within the United States in March of 1922, broadcasting on 360 meters at various times throughout the day. In Philadelphia, for example, there were six stations "sharing" the 360 meter wavelength assignment as follows: WFI, Strawbridge and Clothier; WGL, T.F.J. Howlett (also Commercial land station); WIP, Gimbel Brothers; WLIT, Lit Brothers; WOO, John Wanamaker; and SPJ, St. Joseph's College.

Obviously, all stations could not transmit at the same time without causing interference to one another; therefore, it was necessary for the stations to schedule and share the wavelength, and take turns with their program offerings.

The U.S. Radio Act of 1927, resulting from an International Radio Conference, assigned radio broadcast stations the wavelengths of 545 to 200 meters (550 to 1500 kilocycles) which is the present-day AM broadcast band.

## HAMMING IT UP ON THE RADIO, 1920

To check the Accuracy of his \$12 watch, Frank Conrad, a Westinghouse engineer, built a radio receiver to catch Naval Observatory time signals from Alexandria, Va. He then built a transmitter and became a dedicated ham radio broadcaster.

When he started broadcasting baseball scores to fellow hams and playing records, a local dealer began supplying the discs in exchange for free ads. A Pittsburgh department store ran a newspaper ad boasting that it had radio receivers for sale, and Westinghouse vice president H.P. Davis (later president of National Broadcasting Co.) saw sales possibilities. On Nov 2, 1920, Westinghouse station KDKA went on the air from Pittsburgh with federal license No. 1 and a marathon broadcast of Warren Harding's election.

In 1920, the U.S. had perhaps 5,000 radio receivers, most of them owned by dedicated hams like Frank Conrad. Davis got Westinghouse into set-making, first with a \$25 "cat's-whisker" crystal set, later with a cabinet model that sold for a regal \$175. By 1924, there were 2.5 million radios in the U.S.; by 1934 they outnumbered telephones. Last year, manufacturers shipped 76 million sets-from stereos to walkaround models-and four million more were installed in new automobiles.

The Radio Advertising Bureau says the first paid ad, with the sponsor buying the time and supplying the copy, was broadcast by an NBC station in New York City in 1921. The pioneer was a real estate firm peddling apartments; it paid \$100 for a 10-minute commercial. In 1988, the bureau says, sponsors paid the 9,100 commercial stations in the U.S. a grand total of \$7.8 billion for advertising time.

The Wall Street Journal

## THE YEAR IS 1922 W3VVS

In the early years of radio "broadcasting", two wavelengths were used; 485 meters and 360 meters

485 meters, approximately 618 kilocycles, was the wavelength used for Government reports, crop and market estimates, and weather forecasts issued by the Department of Agriculture.

360 meters, approximately 833 kilocycles, was the wavelength used by local radio stations for news items, entertainment (such as music or concerts), lectures, sermons and similar program material of local interest.

In the 1920s, almost anyone could build a crystal set to receive the local broadcast station. Spurred on by construction articles in the local newspapers and monthly magazines, the demand for radio parts and kits reached a peak about 1922. Five-and-dime stores and department stores got on the band wagon and offered radio parts for sale as well as complete receiving outfits including aerial, lightning arrestors, grounding switch, ground wire and rod, insulators, and earphones. In order to further sales of radio receiving equipment, many stores established their own broadcasting stations.

Early receiving apparatus offered to the public, when broadcasting was in its infancy, needed only to tune the 360 meter wavelength. Later, greater selectivity and sensitivity was needed as broadcast stations were assigned wavelengths between 545 and 200 meters.

In 1922, receiving apparatus consisted of a simple crystal detector and tuner with an aerial and ground system. Earphones were used to "hear" the program. Later, a vacuum tube was used as the detector, and earphones were still used for reception. Much later, as circuits were improved, vacuum tubes were used as amplifiers and earphones gave way to "loud speakers".

Commercial crystal sets, commonly available in department stores in 1922, included the Westinghouse/RCA Aeriola Jr., Model RE, 190 to 500 meters (\$32.50 complete); General Electric Model ER-753, 180 to 700 meters (\$25.50 complete); or the RCA Radiola Model AR-1375, 170 to 2650 meters (\$47.50 complete).

Commercial vacuum tube sets available included the Westinghouse/RCA Aeriola Sr., Model RF, 190 to 500 meters (\$75.90 complete, including WD-11-D tube and dry batteries); Westinghouse Model RA Tuner and Model DA Detector/Amplifier, 180 to 700 meters (\$160.00 complete, less vacuum tubes); or the RCA Regenerative Model AR-1300, 180 to 700 meters (\$250.25 complete, including Tungar battery charge, all batteries, and Vocarola Loud Speaker).

Radio amateurs built their own receiving and transmitting equipment and were given the "vast wasteland" below 200 meters. In many cases the radio amateur became the local broadcaster using his radio-telephone transmitter to broadcast records played on a wind-up phonograph. For example: Powell Crosley Jr. broadcast from his ham station 8CR at home in Cincinnati Ohio us-



## APPLE BYTES

### MAY BIRTHDAYS

02-CLAUDE HARING, Jr. - W3IIM  
-GERALD J. ZULEWSKI - WB2VIE  
05-CHARLES J. ELLIS - KE2IW  
06-MILDRED STOUTH (XYL W3ZPP)  
08-WILLIAM H. WIAND - N3WW  
09-JAMES J. RODGERS - W3AWG  
11-MARGARET WIAND (XYL N3WW)  
12-ROBERT HENDERSON - KA3MHO  
15-E. W. HALDEMAN - W3PST  
17-DOTTIE TRUEAX (XYL WF2X)  
20-ROBERT F. FIELD - WA3INW  
22-WINNIE MILLER - K3RAB  
26-BONNIE BRENNER - WB3GBN  
27-JACK KENNEDY - K3OWY (OM K3FXP)  
30-WILLIAM F. CHEDEVILLE - W3GQD  
-ROBERT WYATT - AF3F

### HELP PHIL-MONT

ARE YOU PLANNING TO JOIN ARRL OR RENEW YOUR CURRENT MEMBERSHIP? HELP PHIL-MONT BY JOINING OR RENEWING THROUGH THE CLUB...CONTACT KB3IV FOR THE DETAILS.

### NEW DIRECTORY

IF ALL WENT AS PLANNED, YOUR 1989 DIRECTORY WAS INCLUDED WITH THIS MONTHS BLURB (I HOPE). ANY ERRORS? IF SO, I'M SORRY, LET ME KNOW AND I'LL FIX IT & PRINT THE CORRECTION HERE NEXT MONTH.

....DE WB3KOJ

### FOR SALE

DATA DISKETTE - 5 1/4" floppy with technical information for 7,000 semiconductor devices and over 20,000 cross-references. Motorola's entire discrete device offering. IBM PC compatible. 384K RAM required. \$5. Call Bill, W3SEJ at 301-488-1847.

tnx BRATS

### BANQUET COMMITTEE

There will be a meeting of the committee on May 10, 1989 at 8 PM, at Betsy and Fred (N3EBE & KA3BEI) Reichert's home. All committee members, and any other interested members willing to help with Phil-Mont's 40th Banquet, will be welcome. Please call Betsy at (215) 584-0503 by May 9, 1989, to let her know if you'll attend.



1989

MAY

1989

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
	<b>1</b> GENERAL MEETING & LICENSE EXAMS  <i>May Day</i>	<b>2</b> CODE PRACTICE NET at 8 PM	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
<b>7</b> 2M NCS AK2I 10M NCS ANYONE 75M NCS W3PWG	<b>8</b>  <i>Harry Truman's  Birthday 1884</i>	<b>9</b> CODE PRACTICE NET at 8 PM	<b>10</b> BANQUET COMMITTEE MEETING at N3EBE's	<b>11</b>	<b>12</b>	<b>13</b>
<b>14</b> 2M NCS N3FTZ 10M NCS ANYONE 75M NCS W3AOA  <i>Mother's Day</i>	<b>15</b>  <i>Elwood W. Haldeman's  Birthday</i>	<b>16</b> CODE PRACTICE NET at 8 PM	<b>17</b> 	<b>18</b> DIRECTORS' MEETING at W3UY's	<b>19</b>	<b>20</b>  <i>Armed Forces' Day</i> ----- <i>Lindberg's Flight 1927</i>
<b>21</b> 2M NCS WB3CMM 10M NCS ANYONE 75M NCS W3RCE	<b>22</b>	<b>23</b> CODE PRACTICE NET at 8 PM	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>
<b>28</b> 2M NCS NS3Y 10M NCS ANYONE 75M NCS AK2I	<b>29</b>  <i>Memorial Day  Observed</i> ----- <i>John F. Kennedy's  Birthday 1917</i>	<b>30</b> CODE PRACTICE NET at 8 PM	<b>31</b>			